BRUHAT BENGALURU MAHANAGARA PALIKE

PROJECT DIVISION-YALAHANKA

Name of Work: Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,

BOQ Item No	Description / Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete.II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.20 of CSR 2018-19)									
	Basic Rate	390.00								
	Area Weightage @ 8%	31.20								
	Total	**421.20**								
		Cum								
	Old Tiolet		1	3.40	0.80	0.10	0.27			
			1	5.10	6.60	0.10	3.37			
	School Building		1	41.50	6.67	0.10	27.68			
			1	12.50	6.63	0.10	8.29			
							39.61	**Cum**	**421.20**	**16,682.05**
2	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5(Page no. 5, Item no_2.3)									
	Basic Rate	299.00								
	Area Weightage @ 8%	23.92								
	Total	**322.92**								
		Cum								
	Kodigehalli Main Road									
	Govt School (BBMP Ward No 08 Back Side, Kodigehalli)									
	Footings									
	Foundation		8	1.50	1.50	1.50	27.00			
	Outside Long Wall	L1	1	10.88	0.60	0.90	5.88			
		L2	1	11.05	0.60	0.90	5.97			
	Outside Short Wall	S1	1	1.60	0.60	0.90	0.86			
		S2	1	2.53	0.60	0.90	1.37			
	(-) Deduction of Column		-8	1.50	0.60	0.90	-6.48			
	Sump		1	2.40	2.40	2.05	11.81			
	Hand Basin Supporting Wall		5	0.60	0.30	0.30	0.27			
	Over Burdan Earth		1	10.00	4.00	1.00	40.00			
			2	30.00	1.00	1.20	72.00			
			2	23.00	1.50	2.00	138.00			
							296.67	**Cum**	**322.92**	**95,800.81**
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications (Page no. 12, Item no. 4.2).									
	Basic Rate	5,194.00								

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BOQ Item No	Description / Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
	Area Weightage @ 8%	415.52								
	Total	5,609.52								
		Cum								
	Kodigehalli Main Road									
	Govt School (BBMP Ward No 08 Back Side, Kodigehalli)									
	Footings		8	1.50	1.50	0.15	2.70			
	Foundation									
	Outside Long Wall	L1	1	10.88	0.60	0.15	0.98			
		L2	1	11.05	0.60	0.15	0.99			
	Outside Short Wall	S1	1	1.60	0.60	0.15	0.14			
		S2	1	2.53	0.60	0.15	0.23			
	For Flooring		1		23.76	0.15	3.56			
	Corridor Concrete		1	10.75	0.90	0.15	1.45			
	Hand Basin Supporting Wall		5	0.60	0.30	0.15	0.14			
	(-) Deduction of Column									
			-8	1.50	0.60	0.15	-1.08			
	Sump		1	2.40	2.40	0.15	0.86			
							9.98	**Cum**	**5,609.52**	**55,981.05**
4	KSRB 5.1-3 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6 (uncoursed), bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.12(Page no. 22, Item no. 5.3).									
	Basic Rate	3,647.00								
	Area Weightage @ 8%	291.76								
	Total	3,938.76								
		Cum								
	Kodigehalli Main Road									
	Govt School (BBMP Ward No 08 Back Side, Kodigehalli)									
	Foundation									
	First Coarse									
	Outside Long Wall	L1	1	10.88	0.60	0.45	2.94			
		L2	1	11.05	0.60	0.45	2.98			
	Outside Short Wall	S1	1	1.60	0.60	0.45	0.43			
		S2	1	2.53	0.60	0.45	0.68			
	Second Coarse									
	Outside Long Wall	L1	1	10.73	0.45	0.23	1.11			
		L2	1	10.90	0.45	0.23	1.13			
	Outside Short Wall	S1	1	1.75	0.45	0.23	0.18			
		S2	1	2.68	0.45	0.23	0.28			
	(-) Deduction of Column									
			-8	0.45	0.15	0.90	-0.49			
							9.25	**Cum**	**3,938.76**	**36,423.33**
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(Page no.23, Item no. 5.9)									
	Basic Rate	5,483.00								
	Area Weightage @ 8%	438.64								
	Total	5,921.64								
		Cum								
	Foundation									
	First Coarse									
	Out side Long Wall	L1	1	10.73	0.45	0.23	1.11			

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
		L2	1	10.90	0.45	0.23	1.13			
	Outside Short Wall	S1	1	1.75	0.45	0.23	0.18			
		S2	1	2.68	0.45	0.23	0.28			
	(-) Deduction of Column									
			-8	0.45	0.15	0.23	-0.12			
							2.57	**Cum**	**5,921.64**	**15,236.44**
6	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No 115 . Item no 15.1									
	Basic Rate	141.00								
	Area Weightage @ 8%	11.28								
	Total	**152.28**								
		Sq-m								
	Foundation									
	First Coarse									
	OutsideLong Wall	L1	1	10.73		0.23	2.47			
		L2	1	10.90		0.23	2.51			
	Outside Short Wall	S1	1	1.75		0.23	0.40			
		S2	1	2.68		0.23	0.62			
	(-) Deduction of Column									
			-8	0.45		0.23	-0.83			
							5.17	**Sq-m**	**152.28**	**786.65**
7	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page no. 15, Item no.4.28)									
	Basic Rate	258.00								
	Area Weightage @ 8%	20.64								
	Total	**278.64**								
		Sq-m								
	Footings		8	5.20		0.45	18.72			
							18.72	**Sq-m**	**278.64**	**5,216.14**
8	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page no. 16, Item no.4.32)									
	Basic Rate	456.00								
	Area Weightage @ 8%	36.48								
	Total	**492.48**								
		Sq-m								
	Columns									
	Below Ground Level		8	1.20		1.50	14.40			
	Above Ground Level		8	1.20		3.00	28.80			
	Sump		2	2.17		1.70	7.38			
			2	1.87		1.70	6.36			
							56.94	**Sq-m**	**492.48**	**28,039.84**
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page no.16, Item no. 4.31)									
	Basic Rate	358.00								
	Area Weightage @ 8%	28.64								

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
	Total	386.64 Sq-m								
	Plinth Beam									
	Ouside wall		1	27.26		0.30	8.18			
			1	24.86		0.30	7.46			
	Inside Wall		2	2.43		0.30	1.46			
							17.09	Sq-m	386.64	6,609.22
10	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. Specification No. KBS 4.6.2(Page No :16, Item No : 4.29.2)									
	Basic Rate	400.00								
	Area Weightage @ 8%	32.00								
	Total	432.00 Sq-m								
	Roof Slab		1		31.57		31.57			
	Sides		1	31.57		0.15	4.74			
	Sump Top Slab									
	Top Slab		1	2.10	2.10		4.41			
							40.72	Sq-m	432.00	17,589.10
11	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2. (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.37, Page No.16) Ground Floor									
	Basic Rate	323.00								
	Area Weightage @ 8%	25.84								
	Total	348.84 Sq-m								
	Front Door Chajja		1	4.00	0.30		1.20			
	Sides		1	4.60		0.10	0.46			
	Window Chajja	W1	1	2.50	0.30		0.75			
	Sides		1	3.10		0.10	0.31			
	Window Chajja	W2	4	0.90	0.30		1.08			
	Sides		4	1.50		0.10	0.60			
	Window Chajja	W3	2	1.20	0.30		0.72			
	Sides		2	1.80		0.10	0.36			
							5.48	Sq-m	348.84	1,911.64
12	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(page no.16,item no 4.34)									
	Basic Rate	292.00								
	Area Weightage @ 8%	23.36								
	Total	315.36 Sq-m								
	Lintel									
	Ouside wall		1	27.26		0.15	4.09			
			1	26.06		0.15	3.91			
	Inside Wall		2	2.43		0.15	0.73			
	Roof Beam									
	Ouside wall		1	27.26		0.30	8.18			
			1	24.86		0.30	7.46			
	Inside Wall		2	2.43		0.30	1.46			
							25.82	Sq-m	315.36	8,142.91

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BOQ Item No	Description Chainage	Bills	Nos	Length in m	Breadth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
13	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @0.70 Cum. and fine aggregates @ 0.47Cum., with super plasticisers @ 3 liters confirming to IS 9103-1999 reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in **foundation for footings, pedastals, retaining walls, return walls, walls** (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.10, Page No.13)									
	Basic Rate	5,812.00								
	Area Weightage @ 8%	464.96								
	Total	6,276.96 Cum								
	Footings	F1	8	1.00	1.00	0.45	3.60			
	Columns						A.	3.60		
	Below Ground Level		8	0.45	0.15	1.50	0.81			
	Above Ground Level		8	0.45	0.15	3.00	1.62			
	Plinth Beam						B.	2.43		
	Out side Long Wall Beam									
		L1	1	10.58	0.30	0.30	0.95			
		L2	1	10.75	0.30	0.30	0.97			
	Outside Short Wall Beam									
		S1	1	2.83	0.30	0.30	0.25			
		S2	1	1.90	0.30	0.30	0.17			
	Inside Short Wall Beam	S3	1	2.43	0.30	0.30	0.22			
							C.	2.56		
							A+B+C	8.59	Cum	6,276.96	53,944.82
14	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (P. No. 14/ I.No. 4.13 of CSR 2015-16)									
	Basic Rate	5,892.00								
	Area Weightage @ 8%	471.36								
	Total	6,363.36 Cum								
	Lintel									
	Out side Long Wall Lintel									
		L1	1	10.43	0.15	0.15	0.23			
		L2	1	10.60	0.15	0.15	0.24			
	Outside Short Wall Lintel									
		S1	1	2.98	0.15	0.15	0.07			
		S2	1	2.05	0.15	0.15	0.05			
	Inside Short Wall Lintel	S3	1	2.43	0.15	0.15	0.05			
	Roof Beam						A	0.64		

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
	Out side Long Wall Beam									
		L1	1	10.58	0.30	0.30	0.95			
		L2	1	10.75	0.30	0.30	0.97			
	Outside Short Wall Beam									
		S1	1	2.83	0.30	0.30	0.25			
		S2	1	1.90	0.30	0.30	0.17			
	Inside Short Wall Beam	S3	1	2.43	0.30	0.30	0.22			
						B	2.56			
	Slab									
			1	31.57		0.15	4.74			
						C	4.74			
	Sump Concrete Raft									
			1	2.15	2.15	0.20	0.92			
	Wall Concrete		2	2.17	0.15	1.70	1.11			
	Top Slab		2	1.87	0.15	1.70	0.95			
	Dedduction		1	2.10	2.10	0.15	0.66			
	Corridor Concrete		-1	0.60	0.60	0.15	-0.05			
			1	10.75	0.90	0.15	1.45			
	Restoration of Old School Building Slab					D	5.04			
	Old Tiolet		1	3.40	0.80	0.15	0.41			
			1	5.10	6.60	0.15	5.05			
	School Building		1	41.50	6.67	0.15	41.52			
			1	12.50	6.63	0.15	12.43			
						E	59.41			
						A+B+C+D+E	72.39	Cum	6,363.36	4,60,664.47
15	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175Cum. and fine aggregtes @ 0.0345Cum., with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (PWP&IWTD South Zone, BangaloreSR 2016-17 - Item No. - 4.19, Page No.14) Ground Floor									
	Basic Rate	440.00								
	Area Weightage @ 8%	35.20								
	Total	475.20								
		Sqm								
	Front Door Chajja		1	4.00	0.30		1.20			
	Window Chajja	W1	1	2.50	0.30		0.75			
	Window Chajja	W2	4	0.90	0.30		1.08			
	Window Chajja	W3	2	1.20	0.30		0.72			
							3.75	Sq-m	475.20	1,782.00
16	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500(page no.17,item no:4.46.2)									
	Basic Rate	70,966.00								
	Area Weightage @ 8%	5,677.28								
	Total	76,643.28								

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BOQ Item No.	Description Chainage	Sides Tonne	Nos	Length in m	Breadth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
	150 Kg/Cum Pcc Footings			3.60	120.00		432.00			
	150 Kg/Cum Columns			2.43	130.00		315.90			
	150 Kg/Cum Plinth beam			2.56	150.00		384.62			
	80 Kg/Cum Lintel			0.64	50.00		32.05			
	150 Kg/Cum Roof beam			2.56	150.00		384.62			
	130 Kg/Cum Slab			4.74	130.00		615.62			
	110 Kg/Cum Sump			5.04	110.00		554.80			
	80 Kg/Cum Chajja			0.28	50.00		14.00			
							2,733.66			
							2.73	Tn	76,643.28	2,09,236.15
17	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification(Page No 69 Item No 10.5.1)									
	Basic Rate	526.00								
	Area Weightage @ 8%	42.08								
	Total	568.08								
		Sq-m								
	Top Slab		1	31.57			31.57			
	Old Toilet		1	3.40	0.80		2.72			
			1	5.10	6.60		33.66			
	School Building		1	41.50	6.67		276.81			
			1	12.50	6.63		82.88			
							427.63	Sq-m	568.08	2,42,928.05
18	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto SO m. and lift upto 1.S m. including cost of all labour complete as per specifications. specification. No. KBS (Page No : 6, item No : 2.10)									
	Basic Rate	201.00								
	Area Weightage @ 8%	16.08								
	Total	217.08								
		Cum								
	Area of Footing									
		F1	1	8	1.50	1.50	1.50	27.00		
	Deduct Column (-)	C1	-1	8	0.45	0.15	1.50	-0.81		
	Deduct Footing Raft (-)	F1	-1	8	1.00	1.00	0.45	-3.60		
	Deduct Footing PCC (-)	F1	-1	8	1.50	1.50	0.15	-2.70		
								19.89	Cum	217.08	4,317.72

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BOQ Item No	Description / Chainage	Side	Nos	Length in m	Breadth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
19	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4- Item No 5.27.1. Page No 27									
	Basic Rate	912.00								
	Area Weightage @ 8%	72.96								
	Total	**984.96**								
		Sq-m								
	External Walls									
	Outside Long Wall	L1	1	10.58		3.00	31.74			
		L2	1	10.75		3.00	32.25			
	Outside Short Wall	S1	1	2.20		3.00	6.60			
		S2	1	3.13		3.00	9.39			
	Parapet Wall		1	26.66		0.20	5.33			
	Deduction (-)									
	Doors	D1	-2	0.90		2.10	-3.78			
	Windows	W1	-2	0.45		0.45	-0.41			
		W2	-1	0.90		0.45	-0.41			
		W3	-1	0.45		0.45	-0.20			
		W4	-1	0.90		0.45	-0.41			
		W5	-3	0.90		0.45	-1.22			
	Lintel		-1	26.06		0.15	-3.91			
							74.99	**Sq-m**	**984.96**	**73,862.64**
20	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4,Item No 5.27.2. Page No 27									
	Basic Rate	953.00								
	Area Weightage @ 8%	76.24								
	Total	**1,029.24**								
		Sq-m								
	Internal Walls									
	Tiolet T1									
	Long Wall	L1	1	1.20		2.30	2.76			
		L2	1	1.20		2.30	2.76			
	Short Wall	S1	1	2.90		2.30	6.67			
		S2	1	1.05		2.30	2.42			
	Deduction (-)									
	Doors	D1	-2	0.75		2.30	-3.45			
		D2	-1	0.75		2.30	-1.73			
	Lintel		-1	2.43		0.15	-0.36			
			-1	1.20		0.15	-0.18			
	Tiolet T2									
	Long Wall	L1	1	1.20		2.30	2.76			
	Short Wall	S1	2	1.35		2.30	6.21			
		S2	1	0.70		2.30	1.61			
		S3	1	0.10		2.30	0.23			
	Wall Between T1 and T2		1	2.43		2.30	5.59			
	Hand Basin Supporting Wall		5	0.60		0.60	1.80			

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
	Deduction (-)									
	Doors	D1	-2	0.75		2.30	-3.45			
		D2	-1	0.75		2.30	-1.73			
	Lintel		-1	2.43		0.15	-0.36			
			-1	0.90		0.15	-0.14			
							21.41	Sq-m	1,029.24	22,036.03
21	KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(page no.114,item no:15.20)									
	Basic Rate	254.00								
	Area Weightage @ 8%	20.32								
	Total	**274.32**								
		Sq-m								
	External Walls									
	Outside Long Wall	L1	1	10.58		3.00	31.74			
			1	10.75		3.00	32.25			
	Outside Short Wall	S1	1	2.20		3.00	6.60			
			1	3.13		3.00	9.39			
	Parapet Wall	2	1	26.66		0.20	10.66			
	Top	1	1	26.66		0.15	4.00			
	Old Tiolet Building Damged Portion		2	2.00	1.50		6.00			
			3	1.50	1.80		8.10			
			2	1.00	0.75		1.50			
	Deduction (-)									
	Doors	D1	-2	0.90		2.10	-3.78			
	Windows	W1	-2	0.45		0.45	-0.41			
		W2	-1	0.90		0.45	-0.41			
		W3	-1	0.45		0.45	-0.20			
		W4	-1	0.90		0.45	-0.41			
		W5	-3	0.90		0.45	-1.22			
							103.83	Sq-m	274.32	28,482.78
22	KSRB15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(page no.113,item no.15.12)									
	Basic Rate	234.00								
	Area Weightage @ 8%	18.72								
	Total	**252.72**								
		Sq-m								
	External Walls Inside									
	Outside Long Wall	L1	1	10.28		3.00	30.84			
		L2	1	10.45		3.00	31.35			
	Outside Short Wall	S1	1	2.20		3.00	6.60			
		S2	1	3.13		3.00	9.39			
	Wall Between T1 and T2	1 x2	2	2.43		3.00	14.58			
	Hand Basin Supporting Wall	2	5	0.60		0.60	3.60			
		2	5	0.15		0.60	0.90			
	Old Tiolet Building Damged		5	1.80	1.50		13.50			

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
			4	1.40	1.00		5.60			
			2	1.50	1.20		3.60			
							119.96	**Sq-m**	**252.72**	**30,316.29**
23	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No. 113, I.No. 15.21 of PWD SR 2018-19)									
	Basic Rate	235.00								
	Area Weightage @ 8%	18.80								
	Total	**253.80**								
		Sq-m								
	Ceiling Plastering		1		27.58		27.58			
	Slab Projection @ Entrance	1 X 2	2	4.00	0.30		2.4			
			1	4.60		0.10	0.46			
	Chajja W1	1 X 2	2	2.50	0.30		1.50			
		Sides	1	3.10		0.10	0.31			
	Chajja W2	1 X 2	2	1.20	0.30		0.72			
		Sides	1	1.80		0.10	0.18			
	Chajja W3	1 X 2	2	0.90	0.30		0.54			
		Sides	1	1.50		0.10	0.15			
	Chajja W4	1 X 2	2	1.20	0.30		0.72			
		Sides	1	1.80		0.10	0.18			
	Chajja W5	3	2	0.90	0.30		1.62			
		3	1	1.50		0.10	0.45			
	Old Tiolet Building Damged		2	2.00	1.50		6.00			
			1	1.40	1.00		1.40			
			2	2.00	0.90		3.60			
							47.81	**Sq-m**	**253.80**	**12,134.18**
24	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 117, I.No. 15.53.2 of SR 2018-19).									
	Basic Rate	102.00								
	Area Weightage @ 8%	8.16								
	Total	**110.16**								
		Sq-m								
	Same As External Plastering Qnty						103.83			
	Old Tiolet Building									
			2	7.75		3.00	46.50			
			2	4.00		3.00	24.00			
	Chajja	2	1	2.80		0.60	3.36			
	Slab Projection	2	1	7.75		1.40	21.70			
		2	1	7.75		0.60	9.30			
		2	1	10.55		0.30	6.33			
							215.02	**Sq-m**	**110.16**	**23,686.66**

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BOQ Item No	Description / Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
25	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (P. No. 116, I.No. 15.51.2 of SR 2018-19).									
	Basic Rate	90.00								
	Area Weightage @ 8%	7.20								
	Total	**97.20**								
		Sq-m								
	External Walls									
	Inside									
	Outside Long Wall	L1	1	10.28		0.90	9.25			
		L2	1	10.45		0.90	9.41			
	Outside Short Wall	S1	1	2.20		0.90	1.98			
		S2	1	3.13		0.90	2.82			
	Wall Between T1 and T2	1 x2	2	2.43		0.90	4.37			
	Old Tiolet Building									
	Inside									
	Tiolet T1									
	Long Wall	L1	1	3.60		1.50	5.40			
		L2	1	2.80		1.50	4.20			
			2	3.15		1.20	7.56			
			1	0.55		2.10	1.16			
			1	2.48		2.10	5.21			
		2	1	1.48		2.10	6.22			
	Wall Between Tiolet T1 & T2	2	1	4.00		3.00	24.00			
	Deduction	D1	-1	0.90		0.40	-0.36			
	Deduction	D1	-2	0.75		2.10	-3.15			
		D1	-1	0.75		2.10	-1.58			
	Tiolet T2									
	Long Wall		2	4.15		1.50	12.45			
			1	3.58		1.50	5.37			
	Deduction	D1	-1	0.90		0.40	-0.36			
			1	1.25		2.10	2.63			
			2	2.13		1.20	5.10			
							101.67	**Sq-m**	**97.20**	**9,882.03**
26	KSRB 15-15.2 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including priming,including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (P. No. 117, I.No. 15.51.2 .2&3).for cealing									
	Basic Rate	95.00								
	Area Weightage @ 8%	7.60								
	Total	**102.60**								
		Sq-m								
	Same As Cealing Plastering Qnty						47.81			
	Old Tiolet Building Ceiling		1	7.75	4.00		31.00			
							78.81	**Sq-m**	**102.60**	**8,085.91**

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BOQ Item No	Description / Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
27	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. (P.No.106, I.No. 14.36.2 of PWD SR 2015-16)									
	Basic Rate	1,210.00								
	Area Weightage @ 8%	96.80								
	Total	**1,306.80**								
		Sq-m								
	Wall Tiles									
	External Walls Inside									
	Long Wall	L1	1	10.28		2.10	21.59			
		L2	1	10.45		2.10	21.95			
	Short Wall	S1	1	2.20		2.10	4.62			
		S2	1	3.13		2.10	6.57			
	Wall Between T1 and T2	1 x2	2	2.43		2.10	10.21			
	Internal Walls									
	@ Tiolet T1	2	1	1.35		2.10	5.67			
		2	1	0.10		2.10	0.42			
		2	1	1.35		2.10	5.67			
		1	1	0.10		2.10	0.21			
		2	1	0.68		2.10	2.86			
		2	1	0.10		2.10	0.42			
		2	1	1.17		2.10	4.91			
	@ Tiolet T2									
		2	1	1.35		2.10	5.67			
		2	1	0.10		2.10	0.42			
		2	1	1.17		2.10	4.91			
		2	1	1.20		2.10	5.04			
		2	1	0.40		2.10	1.68			
		2	1	0.10		2.10	0.42			
	Deduction (-)									
	Doors	D1	-2	0.90		2.10	-3.78			
	Windows	W1	-2	0.45		0.45	-0.41			
		W2	-1	0.90		0.45	-0.41			
		W3	-1	0.45		0.45	-0.20			
		W4	-1	0.90		0.45	-0.41			
		W5	-3	0.90		0.45	-1.22			
							96.82	**Sq-m**	**1,306.80**	**1,26,528.95**
28	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles 400 x 400mm on a bed of 20mm thick									
	Basic Rate	1,348.00								
	Area Weightage @ 8%	107.84								
	Total	**1,455.84**								
		Sq-m								
	Floor Tiles									
	Same as Celing Quantity						27.58			

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BOQ Item No	Description Chainage		Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
	Deductions (-)										
		Wall		-1	1.17	0.10		-0.12			
				-1	1.35	0.10		-0.14			
		Wall		-1	1.20	0.10		-0.12			
				-1	0.40	0.10		-0.04			
		Wall		-1	1.35	0.10		-0.14			
				-1	1.35	0.10		-0.14			
		Wall		-1	0.68	0.10		-0.07			
				-1	1.17	0.10		-0.12			
	Wall Between T1 and T2			-1	2.43	0.10		-0.24			
								26.47	**Sq-m**	**1,455.84**	**38,536.08**
29	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 32, I.No. 7.9 of PWD SR 2018-19)										
		Basic Rate	95.00								
		Area Weightage @ 8%	7.60								
		Total	**102.60**								
			Kgs								
		Windows	W1	2	0.45		0.45	0.41			
			W2	1	0.90		0.45	0.41			
			W3	1	0.45		0.45	0.20			
			W4	1	0.90		0.45	0.41			
			W5	3	0.90		0.45	1.22			
								2.63			
							21kg/sq-m	**55.28**	**Kgs**	**102.60**	**5,671.98**
30	SOLID PANEL PRELAM PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the styles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm. Aluminium hinges. with both side prelam. Item No 9.85.1. Page No 61 PWD SR 2018-19										
		Basic Rate	3,746.00								
		Area Weightage @ 8%	299.68								
		Total	**4,045.68**								
		Doors	D2	2	0.75		2.10	3.15			
			D3	4	0.75		2.10	6.30			
								9.45	**Sq-m**	**4,045.68**	**38,231.68**

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
31	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. Item No 9.84. Page No 60 PWD SR 2018-19									
	Basic Rate	468.00								
	Area Weightage @ 8%	37.44								
	Total	505.44								
		Sq-m								
	Doors	D2	2	0.75		2.10	3.15			
		D3	4	0.75		2.10	6.30			
							9.45	Sq-m	505.44	4,776.41
32	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity) Specification No.KBS 13.22(P.no.96, I.no.13.86.2 of PWD SR 2018-19)									
	Basic Rate	6,828.00								
	Area Weightage @ 8%	546.24								
	Total	7,374.24								
		Each								
			1				1.00			
							1.00	Each	7,374.24	7,374.24
33	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2018-19)									
	Basic Rate	235.00								
	Area Weightage @ 8%	18.80								
	Total	253.80								
		m								
			1	40.00			40.00			
							40.00	m	253.80	10,152.00
34	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes (P.no.96, I.no.13.86.3 of PWD SR 2018-19)									
	Basic Rate	293.00								
	Area Weightage @ 8%	23.44								
	Total	316.44								
		m								
			1	40.00			40.00			
							40.00	m	316.44	12,657.60

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Breadth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
35	KSRB13-8.6 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9(P.no. 94, I.no.13.70.5 of PW, P&WTD SR 2018-19)- 110 mm Outer Dia Basic Rate 450.00 Area Weightage @ 8% 36.00 Total 486.00 m		1	40.00			40.00			
							40.00	m	486.00	19,440.00
36	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.82, I.No. 12.41 of PWD SR 2018-19) Basic Rate 1,136.00 Area Weightage @ 8% 90.88 Total 1,226.88 Unit		2				2.00			
							2.00	Unit	1,226.88	2,453.76
37	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2018-19) Basic Rate 150.00 Area Weightage @ 8% 12.00 Total 162.00 Each		12				12.00			
							12.00	Each	162.00	1,944.00
38	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.no.88, I.no.12.113.1 of PWD SR 2018-19) Basic Rate 250.00 Area Weightage @ 8% 20.00 Total 270.00 Each		12				12.00			
							12.00	Each	270.00	3,240.00
39	KSRB13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. (P.No.91/ I.No. 13.24 of PWD SR 2018-19) Basic Rate 173.00 Area Weightage @ 8% 13.84 Total 186.84 Each		12				12.00			
							12.00	Each	186.84	2,242.08

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
40	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of PWD SR 2018-19)									
	Basic Rate 449.00									
	Area Weightage @ 8% 35.92									
	Total **484.92**									
	Each									
			1				1.00			
							1.00	**Each**	**484.92**	**484.92**
41	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mm (P.No. 73/ I.No.11.50.3 of PWD SR 2018-19)									
	Basic Rate 5,300.00									
	Area Weightage @ 8% 424.00									
	Total **5,724.00**									
	Nos									
			1				1.00			
							1.00	**Nos**	**5,724.00**	**5,724.00**
42	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.2 of PWD SR 2018-19)									
	Basic Rate 4,224.00									
	Area Weightage @ 8% 337.92									
	Total **4,561.92**									
	Each									
			4				4.00			
							4.00	**Each**	**4,561.92**	**18,247.68**
43	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.5 of PWD SR 2018-19)									
	Basic Rate 4,956.00									
	Area Weightage @ 8% 396.48									
	Total **5,352.48**									

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(DG) Item No	Description Chainage	Side Each	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
			2				2.00			
							2.00	Each	5,352.48	10,704.96
44	KSRB 11-7.4 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11(P.no.77, I.no.12.10 of PWD SR 2018-19)									
	Basic Rate 7,091.00 Area Weightage @ 8% 567.28 Total **7,658.28** **Each**									
			5				5.00			
							5.00	Each	7,658.28	38,291.40
45	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11(P.no.80, I.no.12.23 of CSR 2018-19)									
	Basic Rate 4,007.00 Area Weightage @ 8% 320.56 Total **4,327.56** **Each**									
			3				3.00			
							3.00	Each	4,327.56	12,982.68
46	Providing & fixing factory made Galvanized plain **steel door frame** of profile size 125 x 60 mm single rebate manufactured from galvanized plain steel sheet 1.25 mm thick, conforming to IS:277. The door frame consists of hinge jamb, lock jamb, head & bottom tie bars, supply in knockdown condition & to be assembled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60 mm thick pressed angle 20 x 20 mm screwed to the door frame. The stiffeners of 3 mm thick pre- punched & pre-trapped are to be welded inside the pre-punched slots of the door frames & 4 nos. of S.S. butt hinges 100 x 59 x 2.5 mm to be screwed to the door frame. The necessary stiffeners & mortar guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre- treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/ hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. **size 1000 x 2130 mm. Item No 38.49.1. PWD SR 2018-19**									
	Basic Rate 545.00 Area Weightage @ 8% 43.60 Total **588.60** **Rmt**									
	Steel Entrence Door		2	6.00			12.00			
			2	6.00			12.00			
							24.00	**Rmt**	**588.60**	**14,126.40**

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BOQ Item No	Description / Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
47	Providing & fixing factory made **Galvanized steel door Shutters** 32 mm thick manufactured from pre- painted Galvanized plain steel sheet 0.60 mm thick conforming to the IS: 14246. The door shutters consist of two outer skins if steel sheets, lock seam jointed at vertical stile edges, horizontal top & bottom sides to form a double skin fully flush shell. Rigid polyurethane Foam (PUF) of density 40 Kg/M3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60 mm to be provided for fixing all hardware fixtures. The rate is including MS Doorlock, MS Aldrop, 2nos of oxidised MS Handles, 2nos. of 300mm longTower Bolt, transportation, loading, unloading, HOM etc. Item No 38.50.1. PWD SR 2018-19.**size – 900 x 2035 x 32 mm thick.**									
	Basic Rate	2,140.00								
	Area Weightage @ 8%	171.20								
	Total	**2,311.20**								
		Sq-m								
	Steel Entrence Door		2	0.90		2.10	3.78			
			2	0.90		2.10	3.78			
							7.56	**Sq-m**	**2,311.20**	**17,472.67**
48	KSRB 8.2 : Providing and fixing in position black cuddapah slab / Shahabad slab / Thandur blue slab 4 cms thick for roofing laid to line and level over wooden rafters or R.C.C. battens pointing exposed joints with cement mortar 1:4 including cost of materials, labour, curing complete as per specifications. (wooden rafters and R.C.C. battens to be paid seperately) Item No 8.2									
	Basic Rate	636.00								
	Area Weightage @ 8%	50.88								
	Total	**686.88**								
		Sq-m								
			8	0.60		0.30	1.44			
			5	0.45		0.30	0.68			
							2.12	**Sq-m**	**686.88**	**1,452.75**
	Drain Work									
49	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work...Pg No.143.Item No.19.1)									
	Basic Rate	130.00								
	Area Weightage @ 6%	7.80								
	Total	**137.80**								
	Tatanagar									
	1st Cross Road - W0295									
		LHS	1	80.00	0.90	0.80	57.60			
		RHS	1	90.00	0.90	0.80	64.80			
	Tatanagar									
	2nd Cross Road - W0275									
		LHS	1	60.00	0.90	0.80	43.20			
		RHS	1	56.00	0.90	0.80	40.32			
	Tiolet Entrance Concrete		1	8.00	5.00	0.30	12.00			
			1	6.00	4.00	0.30	7.20			
	Over Burdan Earth									
			1	5.00	4.00	1.20	24.00			
			2	20.00	1.00	1.00	40.00			
			2	15.00	2.00	1.00	60.00			
							349.12	**Cum**	**137.80**	**48,108.74**

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BOQ Item No	Description / Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
50	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Pg No.13 .Item No.4.2)									
	Basic Rate	5,194.00								
	Area Weightage @ 6%	311.64								
	Total	5,505.64								
	Tatanagar									
	1st Cross Road - W0295									
		LHS	1	80.00	0.90	0.15	10.80			
		RHS	1	90.00	0.90	0.15	12.15			
	Tatanagar									
	2nd Cross Road - W0275									
		LHS	1	60.00	0.90	0.15	8.10			
		RHS	1	56.00	0.90	0.15	7.56			
	House Ramp									
	1st Cross Road - W0295									
		LHS	1	65.00	0.30	0.15	2.93			
		RHS	1	45.00	0.30	0.15	2.03			
	2nd Cross Road - W0275									
		LHS	1	7.00	0.70	0.15	0.74			
		RHS	1	52.00	0.30	0.15	2.34			
	Approches									
			1	6.00	0.30	0.15	0.27			
			1	11.00	0.60	0.15	0.99			
			1	9.00	0.30	0.15	0.41			
	Tiolet Entrance Concrete		1	8.00	5.00	0.15	6.00			
			1	6.00	4.00	0.15	3.60			
							57.90	**Cum**	**5,505.64**	**3,18,776.56**
51	Providing and laying plain/reinforced **cement concrete for side drains using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo-**Wall and Bottom Thickness 15cm** (I No-37.59.1,P No-271)									
	Basic Rate	6,670.00								
	Area Weightage @ 6%	400.20								
	Total	7,070.20								
	RAFT CONCRETE									
	Tatanagar									
	1st Cross Road - W0295									
		LHS	1	80.00	0.90	0.15	10.80			
		RHS	1	90.00	0.90	0.15	12.15			
	Tatanagar									
	2nd Cross Road - W0275									
		LHS	1	60.00	0.90	0.15	8.10			
		RHS	1	56.00	0.90	0.15	7.56			
	Side Wall Concrete									
	Tatanagar									
	1st Cross Road - W0295									
		LHS	2	80.00	0.15	0.50	12.00			
		RHS	2	90.00	0.15	0.50	13.50			
	Tatanagar									
	2nd Cross Road - W0275									
		LHS	2	60.00	0.15	0.50	9.00			

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
		RHS	2	56.00	0.15	0.50	8.40			
							81.51	**Cum**	**7,070.20**	**5,76,292.00**
52	KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	Basic Rate 70,966.00									
	Area Weightage @ 6% 4,257.96									
	Total **75,223.96**									
	Consider 60kg for Drain		1	81.51	0.06		4.89			
							4.89	**Tonne**	**75,223.96**	**3,67,890.30**
53	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	Data Rate 2,111.00									
	Tatanagar									
	1st Cross Road - W0295									
		LHS	1	61.70	0.75		46.28			
		RHS	1	42.90	0.75		32.18			
	Tatanagar									
	2nd Cross Road - W0275									
		LHS	1	58.00	0.75		43.50			
		RHS	1	46.20	0.75		34.65			
							156.60	**Sq-m**	**2,111.00**	**3,30,582.60**
54	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2018-19									
	Basic Rate 912.00									
	6% Area Weightage 54.72									
	Total **966.72**									
	Tatanagar									
	1st Cross Road - W0295									
		LHS	1	12.60	1.00		12.60			
		RHS	1	49.50	1.00		49.50			
	Tatanagar									
	2nd Cross Road - W0275									
		LHS	1	3.70	0.75		2.78			
		RHS	1	12.40	0.75		9.30			
	Cross Road (Behind Narayana PU College)									
		LHS	1	79.00	1.20		94.80			
							168.98	**Sq-m**	**966.72**	**1,63,351.51**
55	Providing One line dressing to granite stone slab/ granite stone masonry as per speciication (P.No.23, I.No.5.17 of PW,P&IWTD SR 2018-19))									
	Basic Rate 897.00									
	6% Area Weightage 53.82									
	Total **950.82**									
	Tatanagar									

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	Description	Side	Nos	Length in m	Breadth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
	Drainage									
	1st Cross Road - W0288									
		LHS	1	12.80	1.00		12.80			
	Yatanagar	RHS	1	49.50	1.00		49.50			
	2nd Cross Road - W0278									
		LHS	1							
		RHS	1	3.70	0.75		2.78			
	Cross Road (Behind Narayana PU College)			12.40	0.75		9.30			
		LHS	132	0.60	1.20		95.04			
							169.22	Sq m	950.82	1,60,893.01
56	Providing and laying in plain reinforced cement concrete mix 1:2:4 with OPC @ 340 kgs. with 40 mm and down size graded granite matel coarse aggregates @ 0.84 cum and fine aggragtes @ 0.56cum, in pen foundations including including cost of all materials, labour HOM machinery form works scaffolding and centering complete as per sprecifications complete as per drawing anf technal specifications. Pg No.222, II No.37.24)									
	Basic Rate: 5,103.00									
	Area Weightage @ 6% 306.18									
	Total 5,409.18									
	House Ramp									
	1st Cross Road - W0288									
		LHS	1	66.00	0.30	0.15	2.93			
	2nd Cross Road - W0278	RHS	1	46.00	0.30	0.15	2.03			
		LHS	1	7.00	0.70	0.15	0.74			
	Approches	RHS	1	52.00	0.30	0.15	2.34			
			1	6.00	0.30	0.15	0.27			
			1	11.00	0.60	0.15	0.99			
			1	9.00	0.30	0.15	0.41			
	Tiolet Entrance Concrete		1	8.00	5.00	0.15	6.00			
			1	6.00	4.00	0.15	3.60			
							19.29	Cum	5,409.18	1,04,343.08
57	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P.No.25, I.No.5.30 of PW,P&IWTD S.R 2018-19)									
	Basic Rate: 408.00									
	Area Weightage @ 6% 24.48									
	Total 432.48									
	Amco layout									
	2nd Cross Road									
		RHS	1	83.00			83.00			
		LHS	1	86.00			86.00			
						/0.45	169.00			
							376.00	Cum	432.48	1,62,612.48
58	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No.179, I.No. 24.1 of PW,P&IWTD SR 2018-19)									
	Basic Rate: 80.00									
	Area Weightage @ 6% 4.80									
	Total 84.80									
	Amco layout									

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
	2nd Cross Road									
		RHS	1	83.00		0.35	29.05			
		LHS	1	86.00		0.35	30.10			
	Electrical Work						59.15	Sq-m	84.80	5,015.92
	Concealed Conduit System									
59	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by Groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (Elec SR - 2014-15 - Item No. - 1.3)(Page No. - 2)-25mm dia 2mm thick									
a	20 mm Dia 2mm thick Item No , Page No 1-14,2.1-2			100.00			100.00	Mtr	43.00	4,300.00
b	25 mm Dia 2mm thick Item No , Page No 1-14,2.1-2			100.00			100.00	Mtr	57.00	5,700.00
	Groove Cutting									
60	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.									
a	20 mm Dia 2mm thick Item No 1.3.1 , Page No 2			100.00			100.00	Mtr	56.00	5,600.00
b	25mm dia 2mm thick 1.3.2 , Page No 2			100.00			100.00	Mtr	58.00	5,800.00
	Wires and Cables									
	Point wiring using Copper wire without									
61	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Item No. - 2.2)(Page No. - 5)									
a	Short point upto 3Mtr from tapping point to out let via switch box Item No.-2.2.1)(Page No. - 5)		6				6.00	Point	144.00	864.00
b	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box Item No.-2.2.2)(Page No. - 5)		6				6.00	Point	215.00	1,290.00
c	Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches Item No.-2.2.4)(Page No. - 5)		6				6.00	Point	423.00	2,538.00
d	Three outlet in a row, above 6Mts upto 10Mtr from tapping point to out let via switches box Item No.-2.2.5)(Page No. - 5)		6				6.00	Point	593.00	3,558.00
62	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall									
a	1-3Way Item No 3.5.1		5				5.00	Each	91.00	455.00
b	4-5Way Item No 3.5.2		5				5.00	Each	98.00	490.00
63	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.									

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BOQ Item No	Description Chainage	Side	Nos	Length in m	Bredth in m	Depth in m	Quantity	Unit/ Remarks	Rate	Amount
a	1 to 3 Module Item No 3.6.1		5				5.00	Each	109.00	545.00
b	4 Module Item No 3.6.2		5				5.00	Each	122.00	610.00
64	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A									
a	6Amps one way. Item No 3.7.A.1		5				5.00	Each	63.00	315.00
b	6Amps Two way.Item No 3.7.A.2		5				5.00	Each	87.00	435.00
c	6Amps 3way socket.Item No 3.7.A.3		5				5.00	Each	95.00	475.00
65	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. (Elec SR - 2014-15 - Item No. - 2.5)(Page No. - 6)									
a	1.5 sq. mm. (Elec SR - 2014-15 - Item No. -			100.00			100.00	M	18.60	1,860.00
b	2.5 sq. mm. (Elec SR - 2014-15 - Item No. -			100.00			100.00	M	29.20	2,920.00
c	4 sq. mm. (Elec SR - 2014-15 - Item No. -			100.00			100.00	M	42.10	4,210.00
66	Supplying and fixing regular MCCB distribution Panel confirming to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with necessary bus bar completely wired to use on 440Volts 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/three phase suitable capacity MCCB/MCB's as outgoings confirming to IS8828.- 8 Way. Item No 6.15.2		3				3.00	Each	9,095.00	27,285.00
67	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.I - Single Door Item No 6.13.A.1- 8way SP & N. Item No 6.17.I.2		3				3.00	Each	866.00	2,598.00
68	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. Item No 6.18									
a	16-25 Amps 2 pole. Item No 6.18.1		5				5.00	Each	2,412.00	12,060.00
b	32-40 Amps 2 pole.Item No 6.18.2		5				5.00	Each	2,936.00	14,680.00
69	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.Item No 6.16									
a	5-32Amps SP Item No 6.16.1		5				5.00	Each	418.00	2,090.00
b	40-63 Amps SP Item No 6.16.2		5				5.00	Each	1,547.00	7,735.00
c	5-32 Amps DP Item No 6.16.3		5				5.00	Each	1,936.00	9,680.00
70	Supplying of 2 pin /4pin 18W CFL Lamp Item No , Page No 4-4.36,18-30		15				15.00	Each	120.00	1,800.00
71	3/2.2 Three Phase Motor For Open Well		1				1.00	Each	19,609.00	19,609.00

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Sl.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
82								A.Sub Total Cost of KPWD SR items	
83								B.Total Construction Cost	
84								C.Cost towards PMC / Third Party inspection LS=A*2%	
85								D.Cost towards 12% GST on KPWD SR Items and PMC Charhes=(A+C)*12%	
								E.Cost towards 3% KRIDL Charges+ 1% CESS=B*4%	
86								F.Sub Total=(B+C+D+E)	
								G.Miscellaneous and rounding off	
								H.Total=(F+G)	5000000.00

Certificate.

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the KPWD Electrical SR 2014-15, BWSSB SR 2017-18, KPWD SR, Bangalore circle for year 2018-19.
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer | Assistant Executive Engineer | Executive Engineer

Administrative Approval

Accorded For ₹5.50 Lakhs
Head of A/C P.3296
CER NO :.....20..... Dt:.30/11/18

E.E. (Project) 30/11

Technical Sanction

Accorded For ₹5.50 Lakhs already
Head of A/C P.3296
CER NO :15/.../2018-19 Dt:30.11.18

TA | CE (YNK)

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